

What is claimed is:

1. A hydraulic system comprising:
a hydrostatic pump in fluid communication with the hydraulic
5 system and driven by a driveshaft,
a charge pump driven by the driveshaft and having an inlet
in fluid communication with the hydraulic system and a
first and second outlet,
a charge circuit in fluid communication with the first
10 outlet,
an auxiliary circuit in fluid communication with the second
outlet, and
the first and second outlets being independent of each
other.
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2. The hydraulic system of claim 1 wherein the charge pump
is a multiple roller vane pump.
3. The hydraulic system of claim 2 wherein the first and
20 second outlets are diametrically opposed to each other.
4. The hydraulic system of claim 2 wherein the roller vane
pump has a second inlet independent of the first inlet.
- 25 5. A roller vane pump for a hydraulic system comprising:
an inlet in fluid communication with the hydraulic system,
a first outlet in fluid communication with a first hydraulic
circuit,
a second outlet in fluid communication with a second
30 hydraulic circuit, and
the first and second outlets being independent of each
other.

6. The roller vane pump of claim 5 wherein the first and second outlets are diametrically opposed to each other.

5 7. The roller vane pump of claim 5 further comprising a second inlet independent of the first inlet.

8. The hydraulic system of claim 1 wherein the charge pump is a vane pump.

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